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Advances in Thermochromic Liquid Crystals and Functional Colour-Changing Materials

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Deadline for manuscript submissions:

closed (20 June 2025)

Message from the Guest Editors

Thermochromic liquid crystals (TLCs) have been a source of fascination for scientists since their appearance in the latter half of the 20th century. The unique combination of liquid–crystal properties in these materials, alongside their captivating colour-changing optical effects, has opened doors to a large variety of applications across many fields of science and technology. The utilization of TLCs has significantly impacted the advancement of liquid crystal thermography, medical diagnostics, temperature mapping, the study of complex flow patterns, the development of smart materials and applications, and many more. Unlocking the potential of these materials requires a deep understanding of their molecular structure, optical properties, adaptability to specific substrates and systems, as well as cognition of their durability, stability, and reliability.



mdpi.com/si/190656

Special Issue



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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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